

FinCOSPAR 2015 Programme

Wednesday 26.8.

13:45 Bus departs from Rovaniemi airport to Luosto

Bus waits for arrivals from Finnair flight AY427. The bus will pick up passengers from Rovaniemi train station (12:45) and Hotel Pohjanhovi (13:00) before heading to the airport.

15:00 – 16:00 Arrival, registration, poster setup

16:00 – 19:10 Session 1: Earth Observation from Space and Ground – Science and Applications

Convener: Prof. Jouni Pulliainen

16:00	<i>Invited speaker:</i> Craig Heinselman	EISCAT 3D Capabilities and Status
16:30	Coffee & snacks	
16:50	Sampsa Koponen	Monitoring the Baltic Sea with a combination of Earth Observation and in situ measurements
17:10	Jyri Heilimo	Finnish Sentinel Collaborative Ground Segment
17:30	Nataliya Zubko	Application of laboratory optical measurements in planetary science
17:50	Maria Gritsevich	Recovery and physical properties of the Annama meteorite
18:10	Dimitry Sokoloff	Solar small-scale dynamo and polarity of sunspot groups
18:30	Ilya Usoskin	Distinct modes of solar activity
18:50	Henrik Kahanpää	Convective vortices and dust devils observed by Mars Science Laboratory

19:10 onwards – Free evening

Hotel facilities at your disposal. Wednesday's dinner is not included in the conference fee.

Thursday 27.8.

8:30 – 12:00 Session 2: Geospace Environment from Space and Ground – Physics and Space Weather

Convener: Dr. Esa Turunen

8:30	<i>Invited speaker:</i> Yoshizumi Miyoshi	Japanese Geospace Exploration Project: ERG
9:00	Toru Tanimori	Observation of relativistic electron precipitations using MeV gamma camera with balloon experiment in the polar region
9:20	Anita Aikio	Electromagnetic energy input in the high-latitude and polar ionospheres
9:40	Alexander Kozlovsky	Observations of natural and artificial disturbances in the auroral ionosphere
10:00	Coffee	
10:20	Maxime Grandin	Effects of Solar Wind High-Speed Streams on the High-Latitude Ionosphere: Superposed-Epoch Study
10:40	Lassi Roininen	Ionospheric tomography calculus: Prior distributions, computations and analytical results
11:00	Johannes Norberg	TomoScand ionospheric tomography with EISCAT dynasonde measurements and EISCAT UHF validation
11:20	Adnane Osmane	On the generation of keV microbursts by large-amplitude whistlers and subsequent formation of double layers in the Earth's radiation belts
11:40	Jenni Virtanen	Dynamical and physical characterization of objects in near-Earth space: from discovery to impact

12:00 – 13:00 Lunch

13:00 – 14:40 Session 3a: Solar System and Astrophysics

Convener: Prof. Tuija Pulkkinen

13:00	Anne Lähteenmäki	Planck results: Simultaneous radio spectra of northern extragalactic radio sources
13:20	Mika Juvela	Planck and Herschel studies of Galactic interstellar clouds and star formation
13:40	Emilia Järvelä	Properties of narrow-line Seyfert 1 galaxies – fitting the misfits into the AGN scenario
14:00	Karri Muinonen	Polarization of Light Scattered by Planetary Surfaces
14:20	Tomas Kohout	Can we distinguish between shock-darkened and space-weathered asteroids?

14:40 – 15:00 Coffee

15:00 – 18:00 Future of Finnish Space Science - Panel discussion and presentation

Convener: Prof. Tuija Pulkkinen

15:00	Panel Discussion <i>Chair: Tuija Pulkkinen</i>	<i>Invited speakers:</i> <ul style="list-style-type: none">- Kati Sulonen, Academy of Finland- Kimmo Kanto, Tekes- Matti Anttila, Space Systems Finland Oy
16:00	Break	
16:20	Jaan Praks	Overview of Finnish nanosatellite platform science missions capabilities
16:40	Petri Toivanen	Coulomb Drag for Spacecraft Propulsion: Electric Sail and Plasma Brake
17:00	Hannu Koskinen	Rosetta ja Philae
17:20 – 18:00	Joint Discussion	Research group introductions <ul style="list-style-type: none">- <i>University groups:</i> Aalto, Helsinki, Oulu, Turku- <i>Research institutes:</i> FMI, SGO, SOD, SYKE, VTT- 1-2 min summary of key research areas and interests

18:00 – 19:00 Pre-dinner Poster Session & Programme

18:00	Poster session	
	Jyri Näränen	New 2 kHz satellite laser ranging system at Metsähovi Geodetic Research Station
	Timo Saari	ESA-MOST Dragon 3 - Evaluation of GOCE-based Global Geoid Models in Finnish Territory
	Nataliya Zubko	Geodetic VLBI
	Manuel Moreno-Ibáñez	A model of atmospheric entry in Earth's atmosphere and its application to the data acquired by fireball networks
	Hosein Gholizade	Detection of the relativistic electrons at atmosphere
	Eleanna Asvestari	Long-term reconstruction of heliospheric parameters and modelling of the cosmogenic radionuclide records
	Riku Järvinen	Escape of water from terrestrial planets
	Jouni Envall	E-sail Orbital Tests: Current Status and Future Plans
	Joni Tammi	Metsähovi Compact Array: a Finnish radio interferometer for research and education
	Maria Gritsevich	Preatmospheric parameters and fragment distribution: A case study for Košice meteoroid

19:00 onwards – Conference Dinner

Friday 28.8.

Session 3b: Solar System and Astrophysics

Convener: Prof. Tuija Pulkkinen

8:30	Marius Lehmann	Modeling of Satellite Induced Density Waves in Saturn's Rings
8:50	Jürgen Schmidt	Compositional Mapping of Europa's Surface with a Dust Mass Spectrometer
9:10	Xiaodong Liu	Dynamics of Jovian dust from the four Galilean satellites
9:30	Coffee	
9:40	Andrew Dimmock	Dawn-Dusk Asymmetries in the Magnetosheath and their Dependence on Solar Wind Conditions
10:00	Markku Alho	Evolution of a comet's plasma environment through hybrid modeling and in-situ ESA/Rosetta observations

10:20 – 11:20 Lunch, End of Meeting

NB! Transportation to Rovaniemi will leave shortly after lunch to reach the outbound flight at 13:50.

11:40 (latest) – Bus departs from Luosto for Rovaniemi Airport

Bus is scheduled to reach Finnair flight AY428. After the airport, the bus will continue to drop passengers to Rovaniemi train station.